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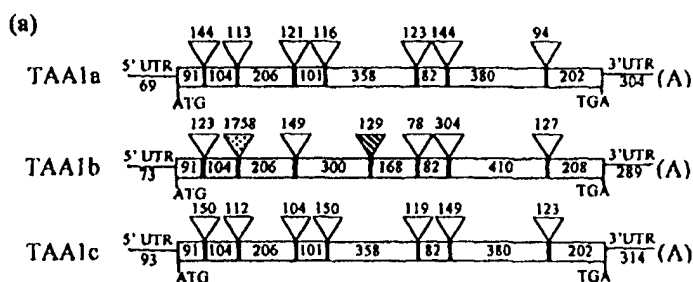
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(54) Title: ANTER-SPECIFIC TAA1 GENES ENCODING FATTY ACYL CO-A REDUCTASES, AND USES THEREOF

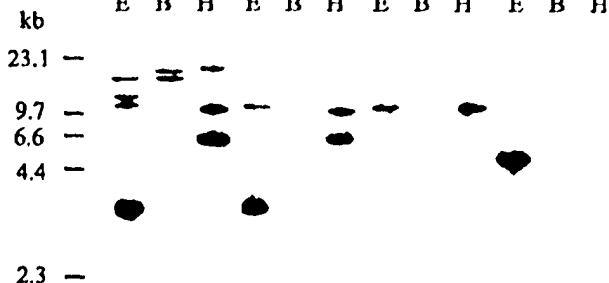


(b)

	Triticum aestivum cv. Karma	Triticum turgidum cv. Sceptre	Triticum urartu ssp. nigrum	Aegilops squarrosa ssp. tauschii
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Genome: AABBD D AAB B AA DD

E B H E B H E B H E B H



(57) Abstract: The present invention provides isolated and purified polynucleotide sequences encoding fatty acyl Co-A reductase (FAR) enzymes derived from wheat, designated *TAA1* genes. The invention encompasses genes that encode FAR enzymes that are useful in the production of transgenic plants and other organisms that comprise increased or otherwise altered levels of fatty alcohols. Such plants may have significant commercial value for the production of fatty alcohols for use in nutritional and pharmaceutical compositions. The invention also provides corresponding *TAA1* anther-specific promoters, suitable for the expression of proteins other than FAR enzymes in the anthers and pollen cells of suitably transformed plants.